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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/769,510	01/30/2004	Michael Eneboe	01-490/1C	8371
	590 04/20/2007 DROD A TION		EXAMINER	
LSI LOGIC CORPORATION 1621 BARBER LANE MS: D-106 MILPITAS, CA 95035			SIEK, VUTHE	
			ART UNIT	PAPER NUMBER
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	2825	
SHORTENED STATUTORY	PERIOD OF RESPONSE	MAIL DATE	DELIVER	Y MODE
3 MON	THS	04/20/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

		Application No.	Applicant(s)				
Office Action Summary		10/769,510	ENEBOE ET AL.				
		Examiner	Art Unit				
		Vuthe Siek	2825				
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication: - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1)⊠ F	Responsive to communication(s) filed on <u>09 Fe</u>	ebruary 2007.					
	This action is FINAL . 2b) This action is non-final.						
3) 🗌 💲	,—						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
4) 🖂 (4)⊠ Claim(s) <u>1-5,7-12 and 21</u> is/are pending in the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-5,7-12 and 21</u> is/are rejected.							
7) 🔲 (7) Claim(s) is/are objected to.						
8) 🗌 (Claim(s) are subject to restriction and/or	election requirement.	•				
Application Papers							
9) The specification is objected to by the Examiner.							
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)∐ T	he oath or declaration is objected to by the Exa	aminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
1. Certified copies of the priority documents have been received.							
2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.							
			•				
Attachment(A) 🗖 (min min min min min min min min min min	(DTO 412)				
B) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application 6) Other:							

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DETAILED ACTION

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1. This office action is in response to application 10/769,510 and amendment filed on 2/9/2007. Claims 1-5, 7-12 and 21 remain pending in the application.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claim 1-5, 7-12 and 21 are rejected under 35 U.S.C. 102(e) as being anticipated by Kastenholz et al. (5,980,543 B1).
- 4. As to claim 1 and 10, Kastenholz et al. teach an interconnect network for operation within communication node, wherein the interconnect network may have feature including the ability to transfer a variety of communication protocols, scalability bandwidth (bandwidth scalable interconnect network) and reduced down-time (optimized IC design). The interconnect network includes at least one local interconnect module (Fig. 2, interconnect modules) having local transfer elements for transferring information between a plurality of I/O channels and scaling elements for expanding the interconnect network to include additional local interconnect modules, such that information can be transferred between the local interconnect modules included in the

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interconnect network (Fig. 3). The local interconnect modules include substantially the same integrated circuit as claimed (ASICs or self-programmable integrated circuit) (Fig. 3, 5, 8 and 11). The processor 1114 includes a CPU module, DRAM, FPGA control and Ethernet control, much in the same way that memory 710, controller 712 and control and status registers 753 provide these functions for local interconnect board. The invention efficiently attains the objects set forth in the disclosure, including providing dynamically bandwidth scalable interconnect network (col. 24 lines 7-15, see summary). One advantage of the invention is that the communication node can process information entering the node at a variety of speeds and formatted pursuant to a plurality of protocols (optimized heuristic data) (col. 7 lines 13-54).

5. As to claims 2-5, 7-9,11-12 and 21, Kastenholz et al. teach communication nodes including ASICs (self-programmable IC) including arrangement of components (Fig. 3, 5, 8 and 11). The processor 1114 includes a CPU module, DRAM, FPGA control and Ethernet control, much in the same way that memory 710, controller 712 and control and status registers 753 provide these functions for local interconnect board. The invention efficiently attains the objects set forth in the disclosure, including providing dynamically bandwidth scalable interconnect network (col. 24 lines 7-15, see summary). One advantage of the invention is that the communication node can process information entering the node at a variety of speeds and formatted pursuant to a plurality of protocols. The invention is also dynamic bandwidth scalability (operated without intervention by an agent (col. 7 lines 13-54)

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6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

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A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

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Conclusion

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vuthe Siek whose telephone number is (571) 272-1906. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jack Chiang can be reached on (571) 272-7483. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Vuthe Siek

VUTHE SIER PRIMARY EXAMINER